

APPARATUS FOR REDUCING GEAR TRAIN BACKLASH

Abstract

Apparatus and method for reducing backlash in a gear wheel (10) including at least two interacting gear rims (11, 12) that can rotate in relation to one another. At least one adjusting means (15) is located between the gear rims for adjusting the relative angle of rotation of the gear rims about a common axis of rotation. The adjusting means (15) includes an hydraulic cylinder which is connected to a pressure medium source and is arranged so as to act between two gear rims (11, 12). In this connection, a force arises, which tends to displace one gear rim in relation to the other about the axis of rotation.